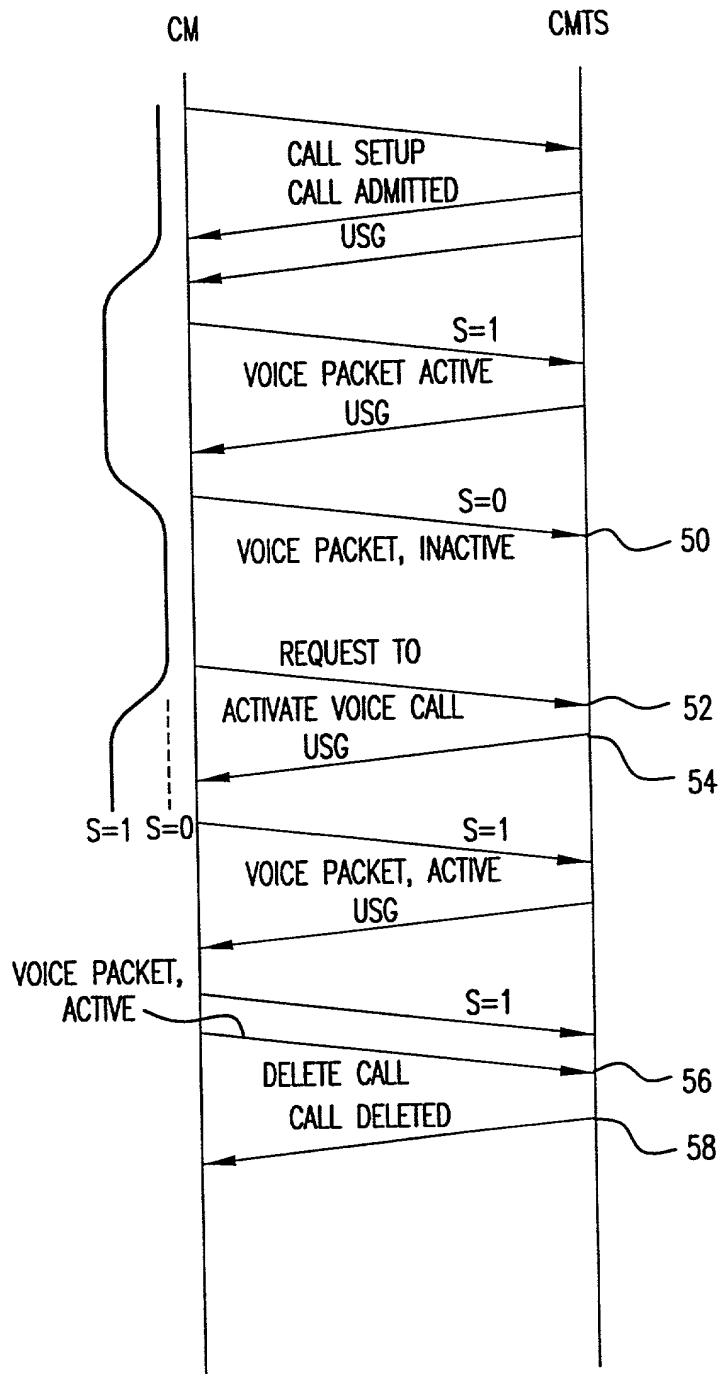


DATA SERVICE

FIG.2A



VOICE SERVICE

FIG.2B

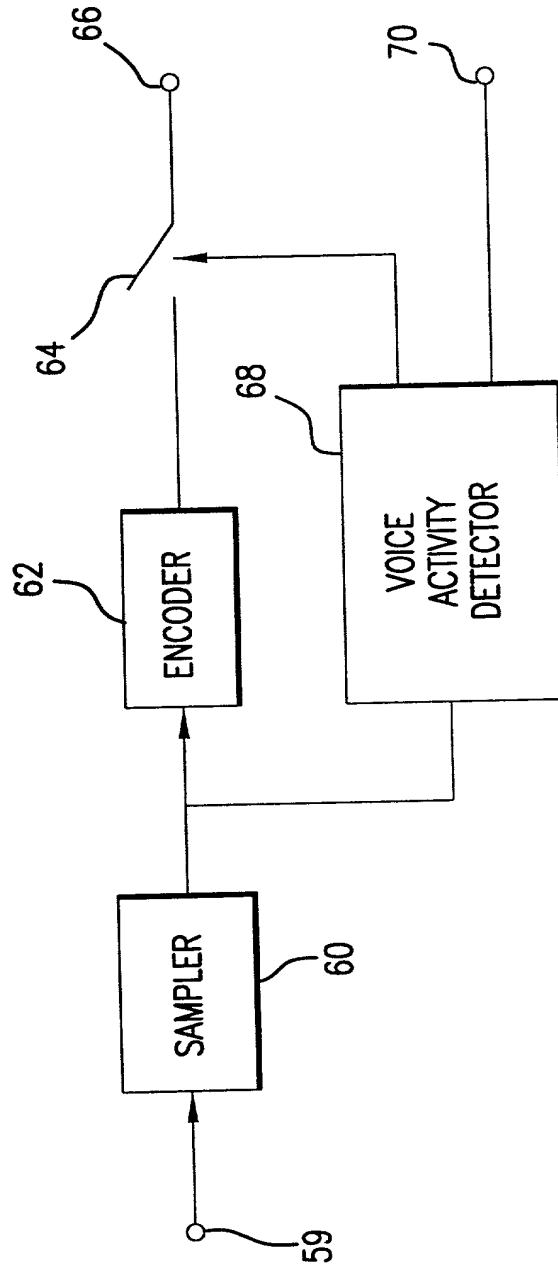


FIG.3

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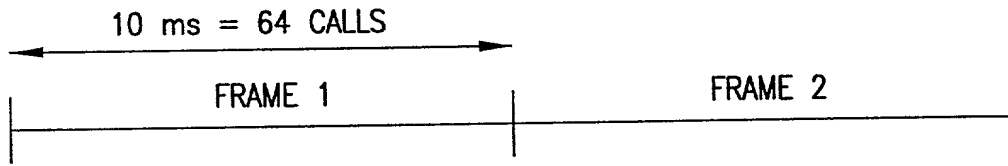


FIG. 4A

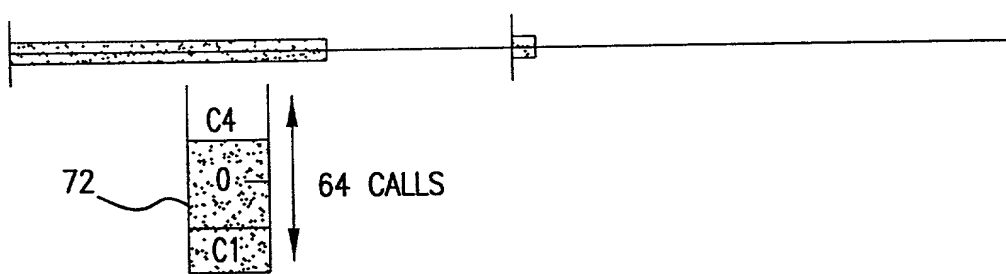


FIG. 4B

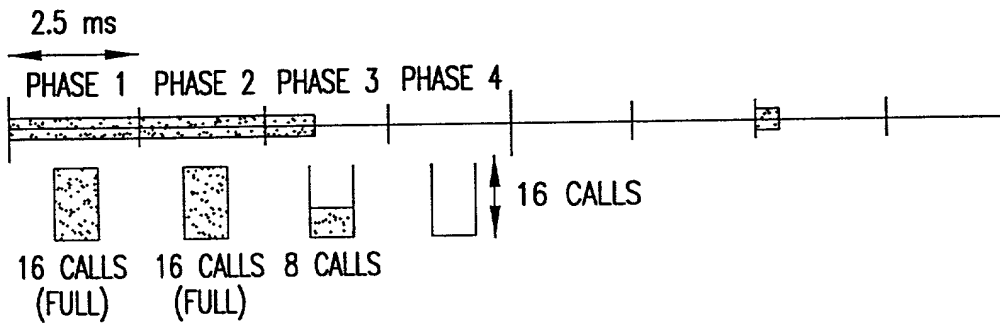


FIG. 4C



FIG. 4D

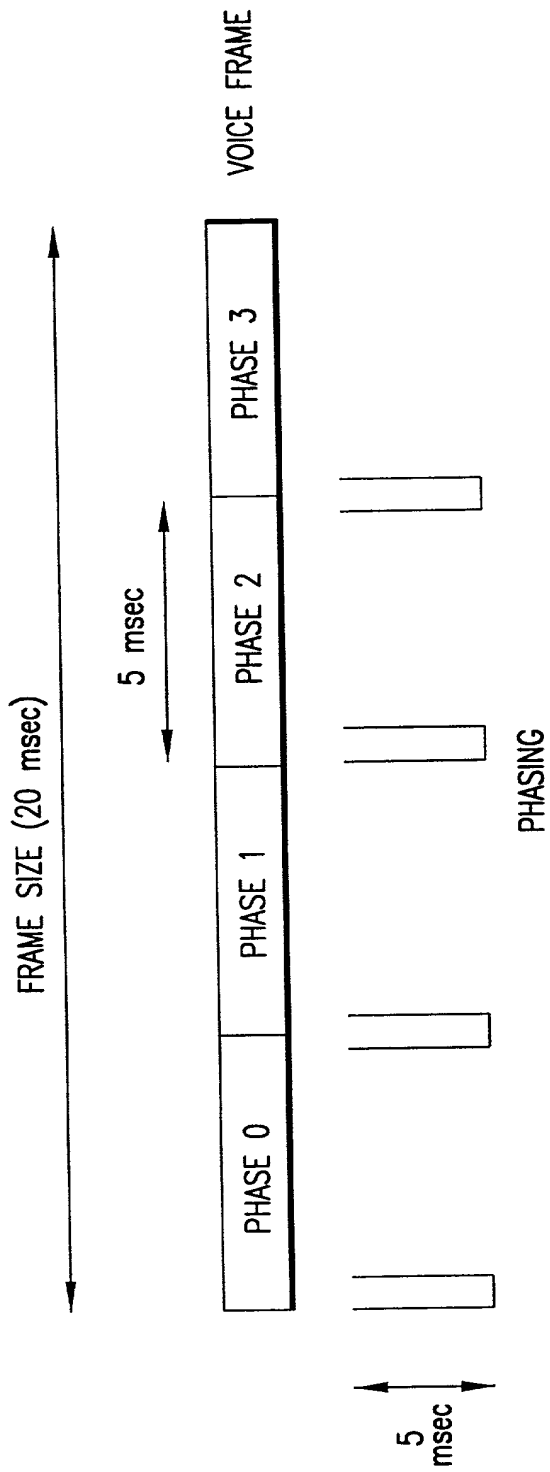


FIG. 5A

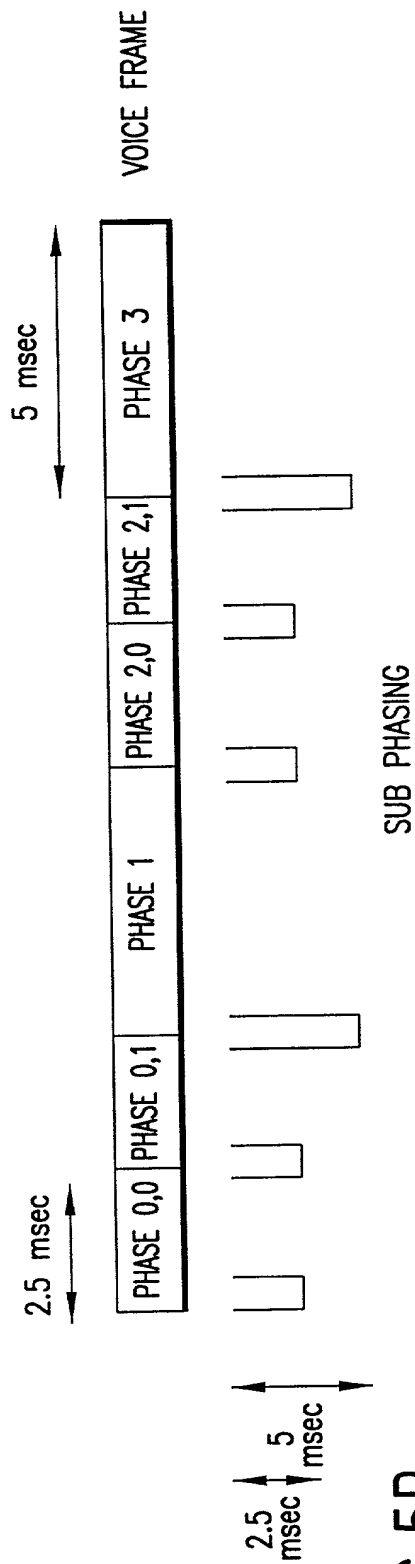
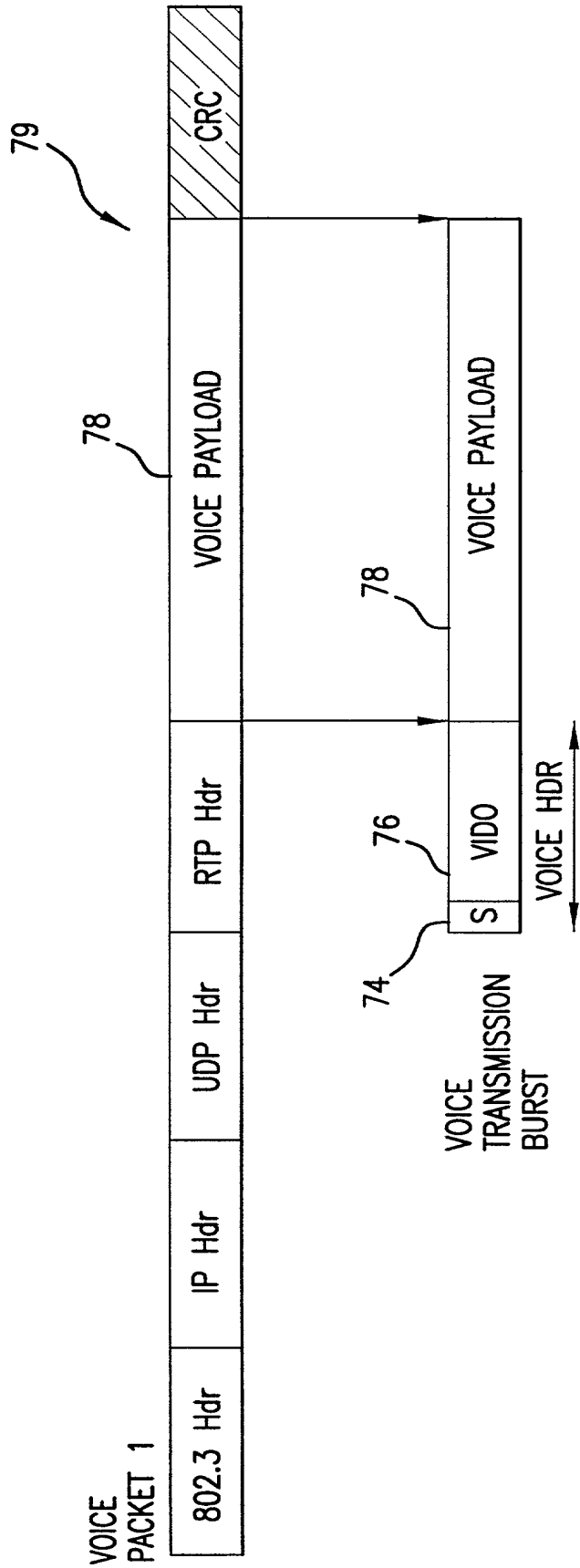


FIG. 5B

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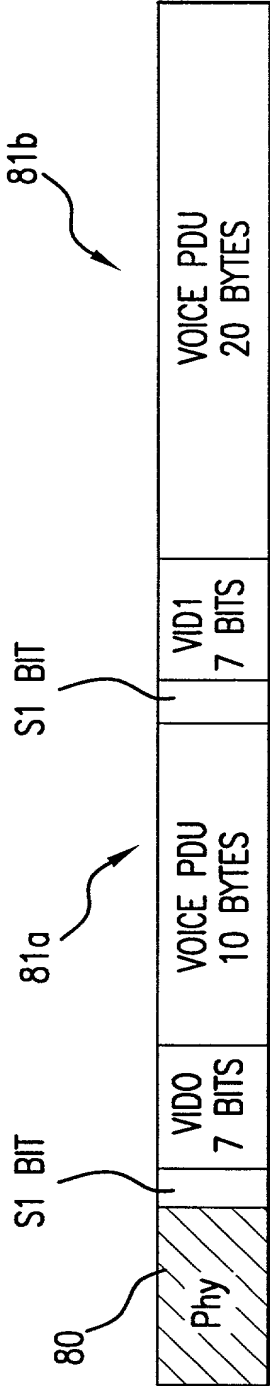
CALL 1: CM1, VIDO: 5ms, 16 Kbps=2 MS (1:0)
CALL 2: CM2, VIDO: 10ms, 32 Kbps=4 MS (2:0)
CALL 3: CM3, VIDO: 20ms, 32 Kbps=7 MS (3:0)
CALL 4: CM4, VIDO: 20ms, 32 Kbps=7 MS (4:0)
CALL 5: CM1, VID1: 10ms, 16 Kbps=3 MS (1:1)
CALL 6: CM2, VID1: 10ms, 16 Kbps=3 MS (2:1)

FIG.5C



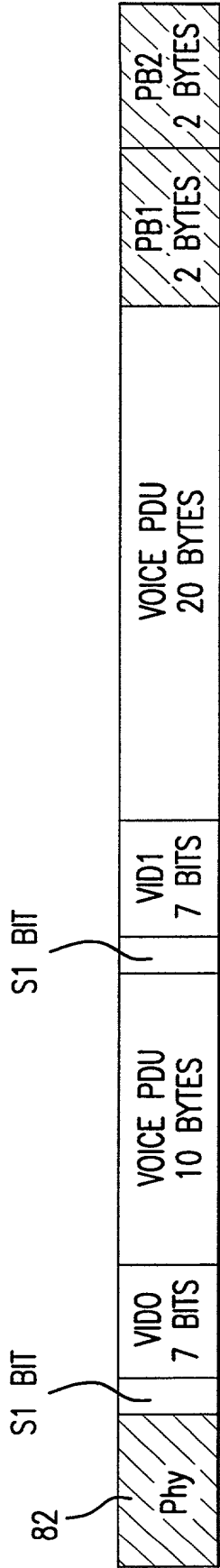
MAPPING VoIP PACKETS INTO VOICE PDUs

FIG. 6A



CONCATENATION OF TWO VOICE CHANNELS OF DIFFERENT RATES

FIG. 6B



CONCATENATION OF VOICE CHANNELS AND PIGGYBACKING REQUESTS

FIG. 6C

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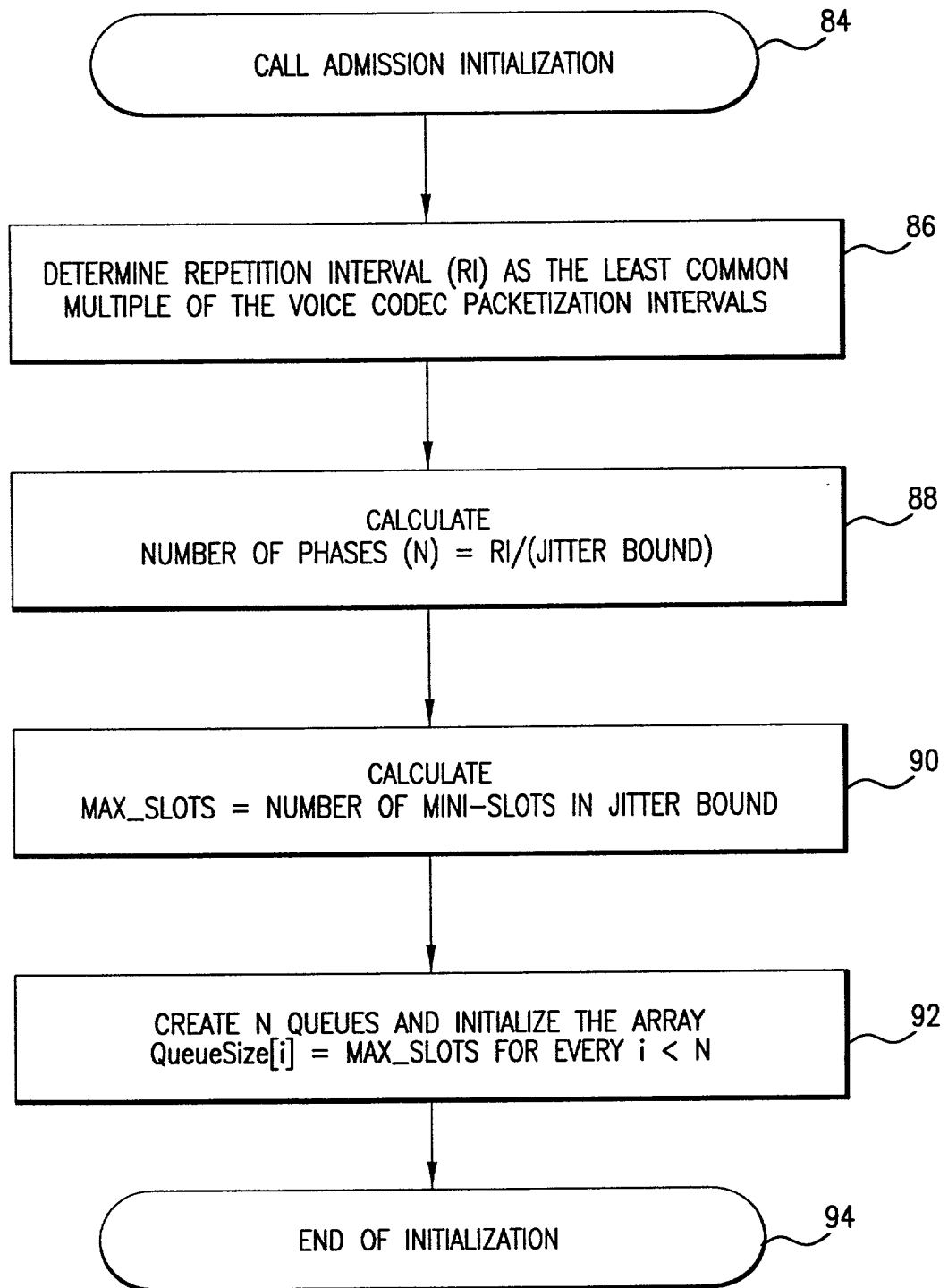


FIG.7

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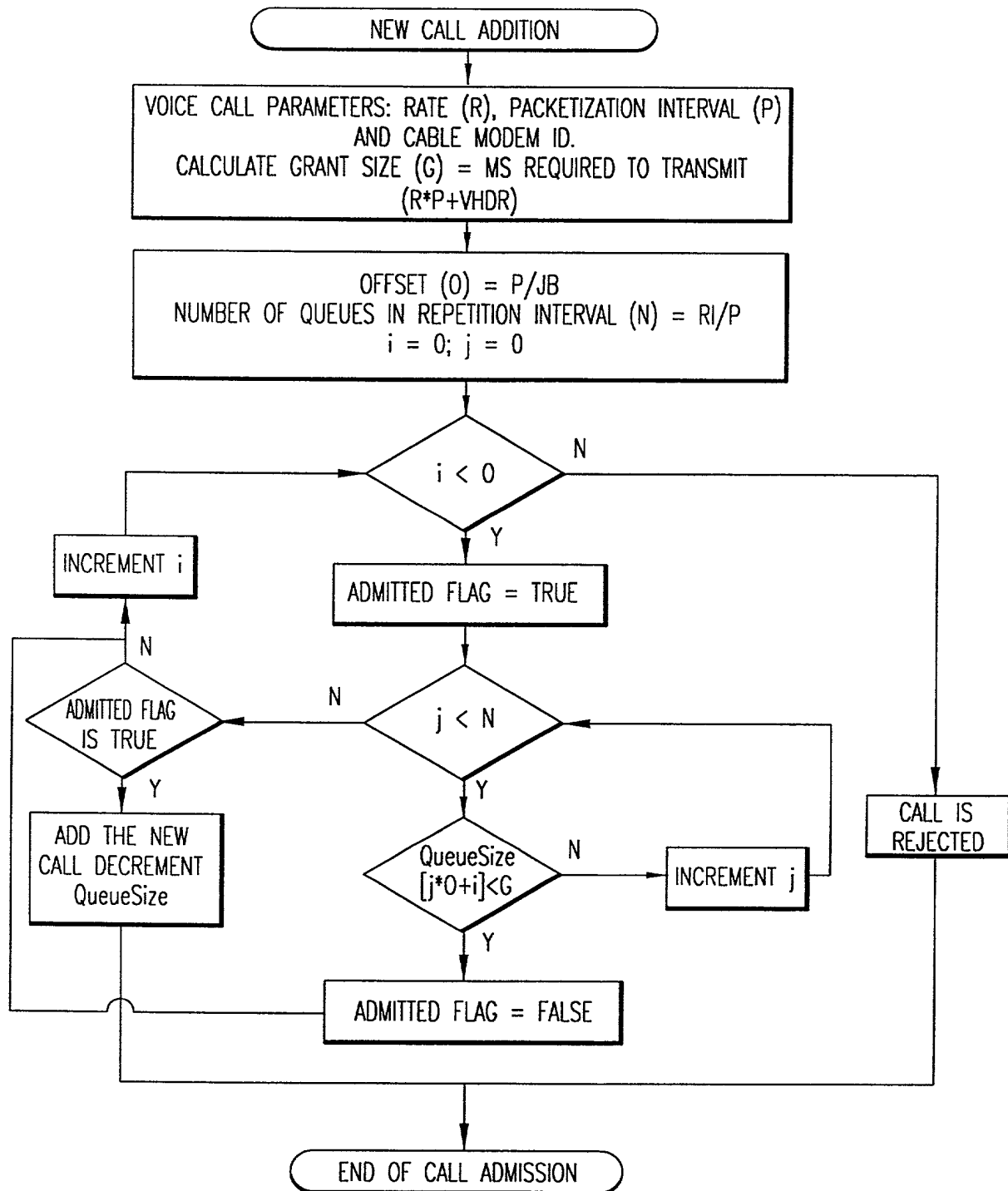
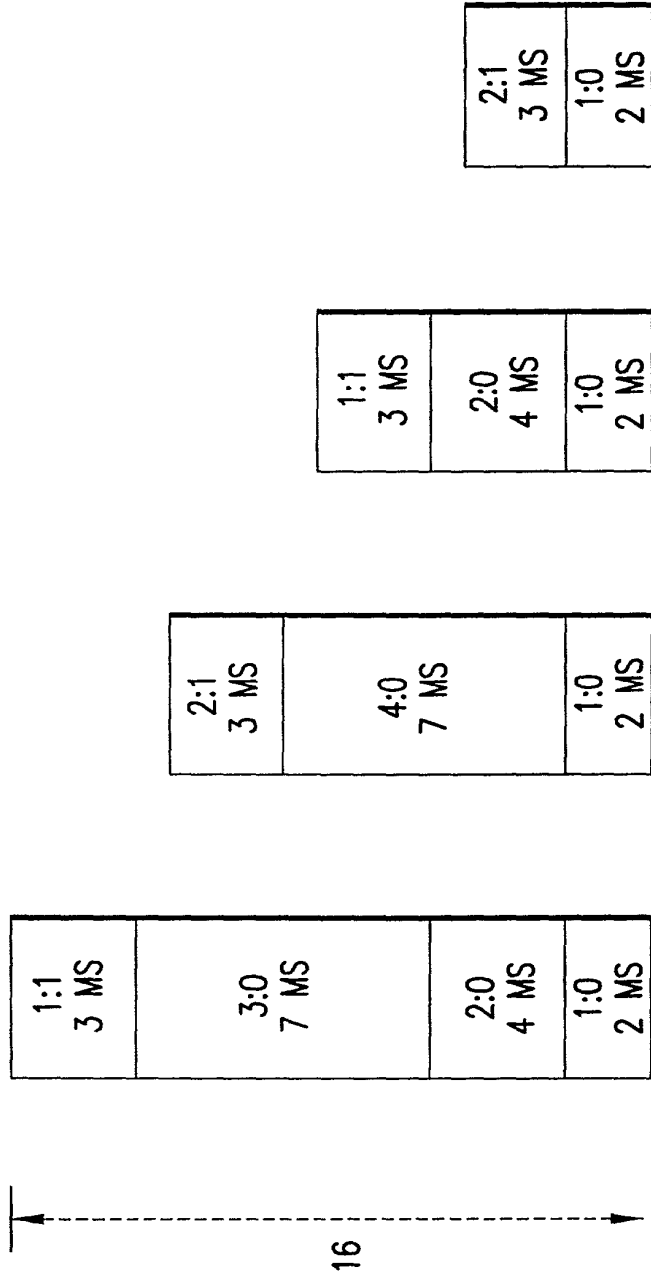
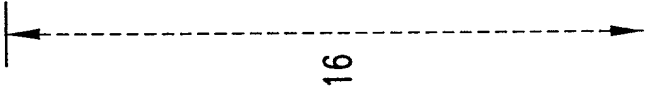


FIG.8



CALL ADMISSION: UNBALANCED

FIG.9



2:1 3 MS
1:1 3 MS
2:0 4 MS
1:0 2 MS

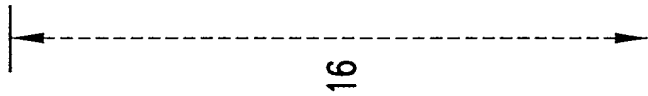
3:0 7 MS
1:0 2 MS

2:1 3 MS
1:1 3 MS
2:0 4 MS
1:0 2 MS

4:0 7 MS
1:0 2 MS

CALL ADMISSION: BALANCED

FIG.10



2:0,1 6 MS
1:0,1 4 MS

3:0 7 MS
1:0 2 MS

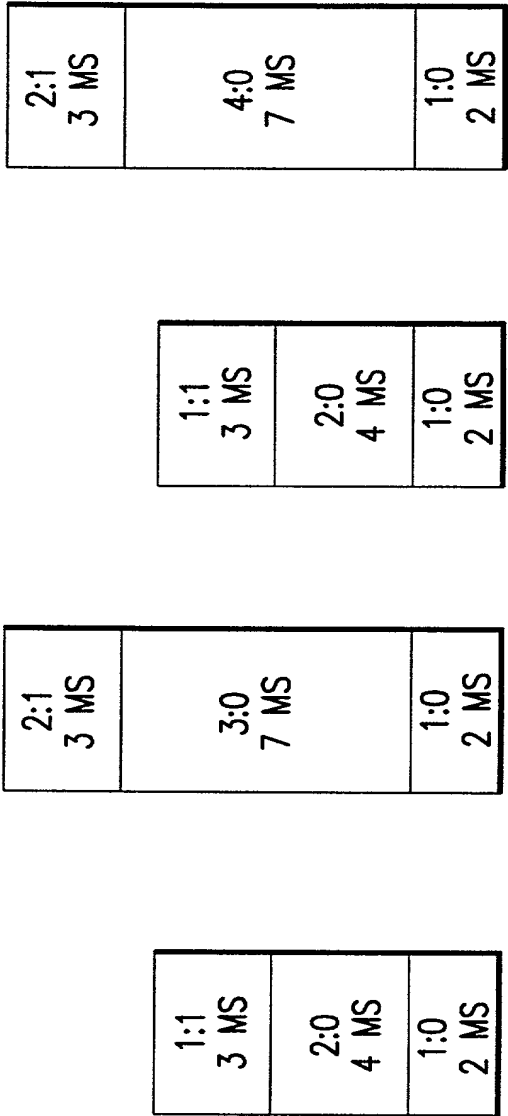
2:0,1 6 MS
1:0,1 4 MS

4:0 7 MS
1:0 2 MS

CALL ADMISSION: BALANCED WITH CONCATENATION

FIG.11

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CALL ADMISSION: BALANCED AND DISTRIBUTED CM ALLOCATION

FIG.12

(PERIODIC) UNSOLICITED GRANT SERVICE (UGS)

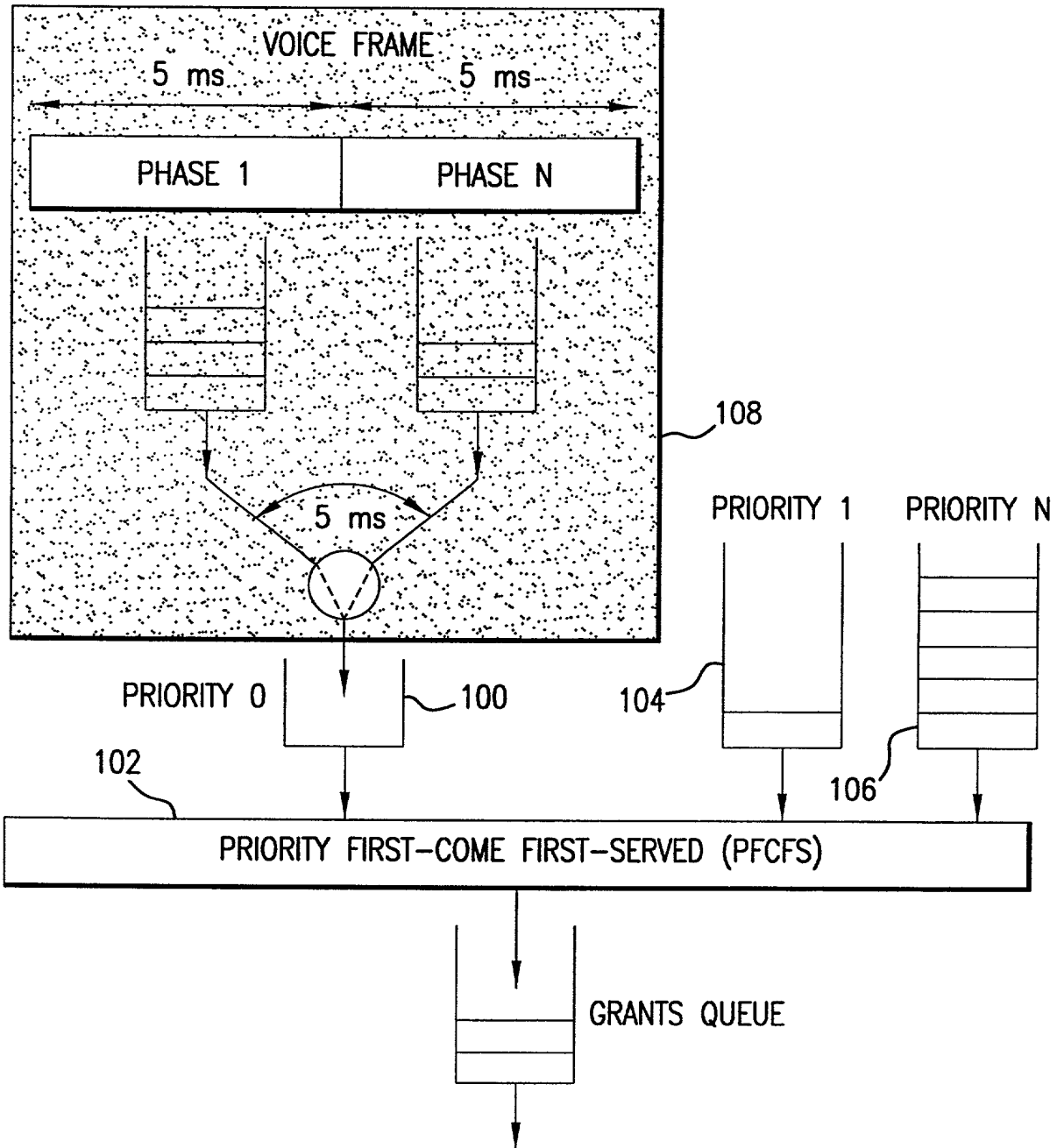


FIG.13

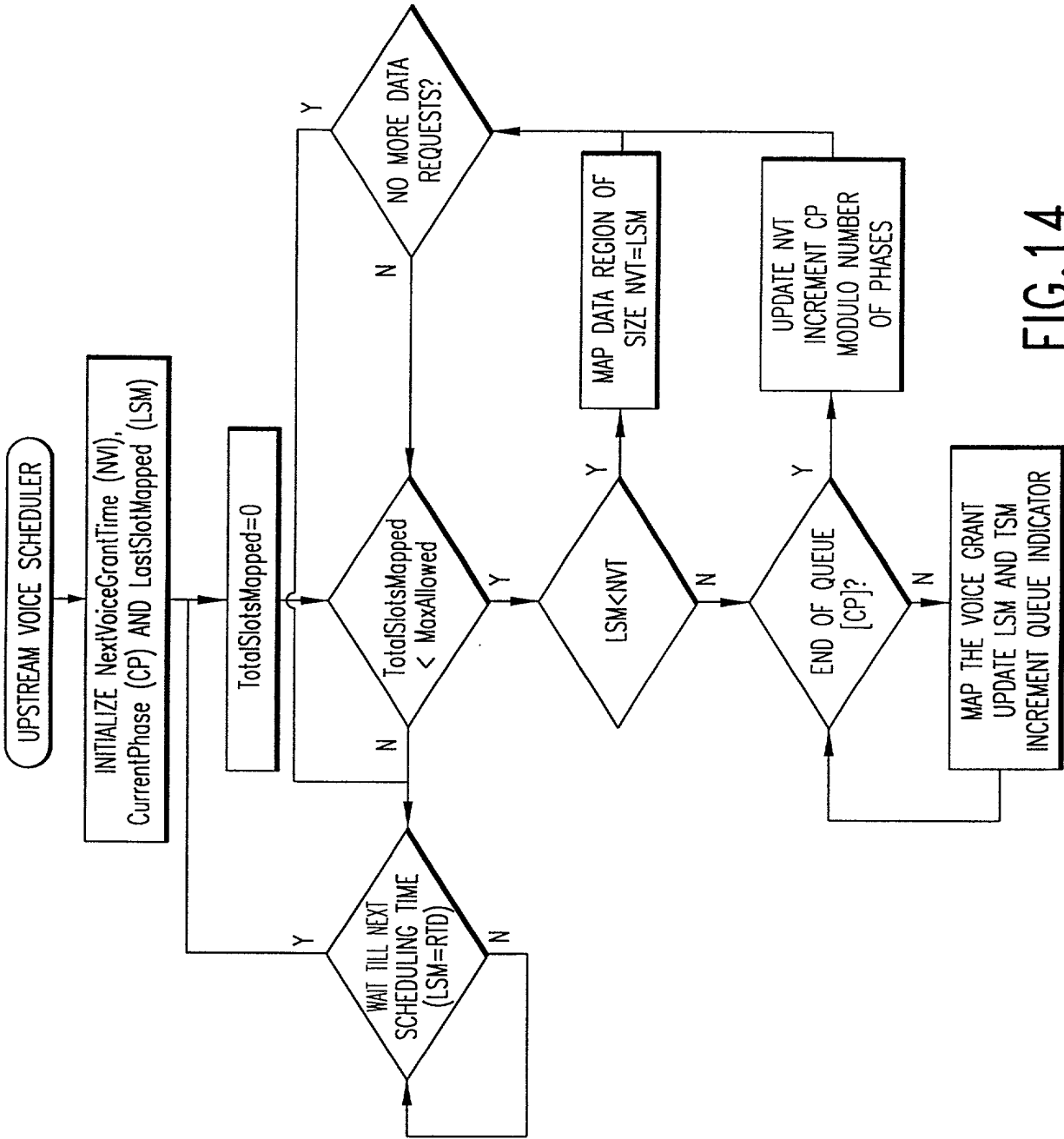


FIG.14

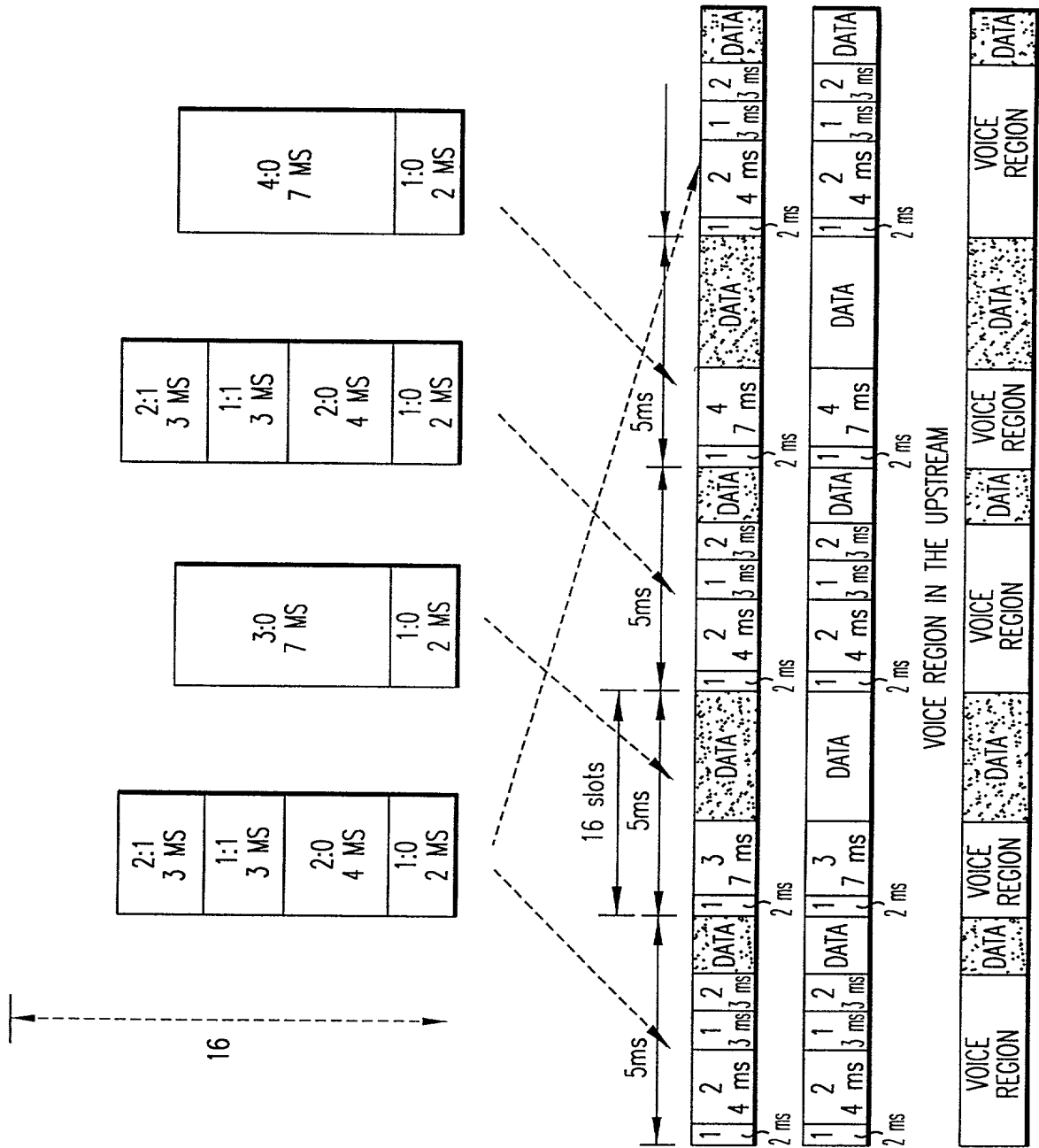


FIG.15

VOICE SCHEDULING: MAPPING VOICE STATE INTO UPSTREAM GRANTS

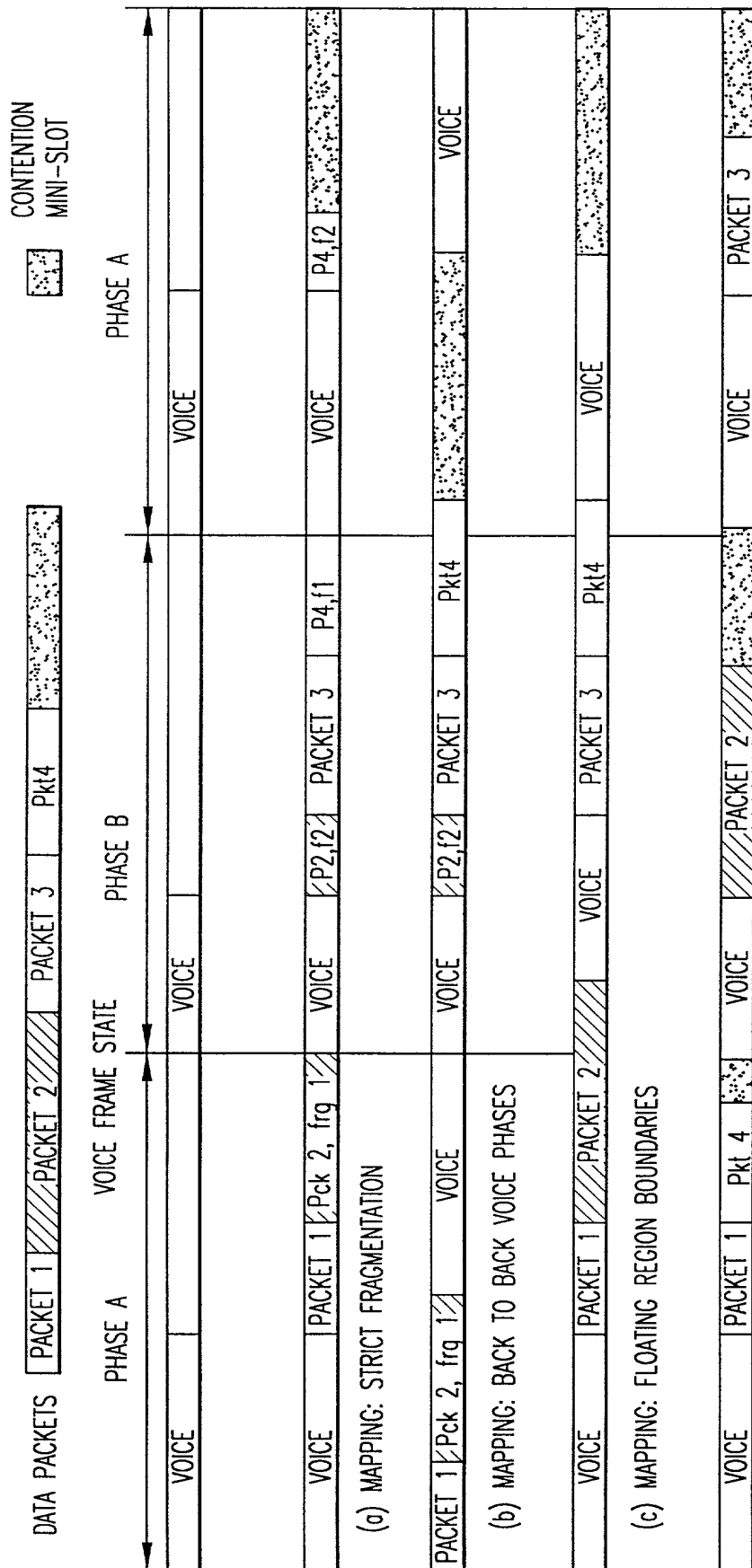


FIG. 16

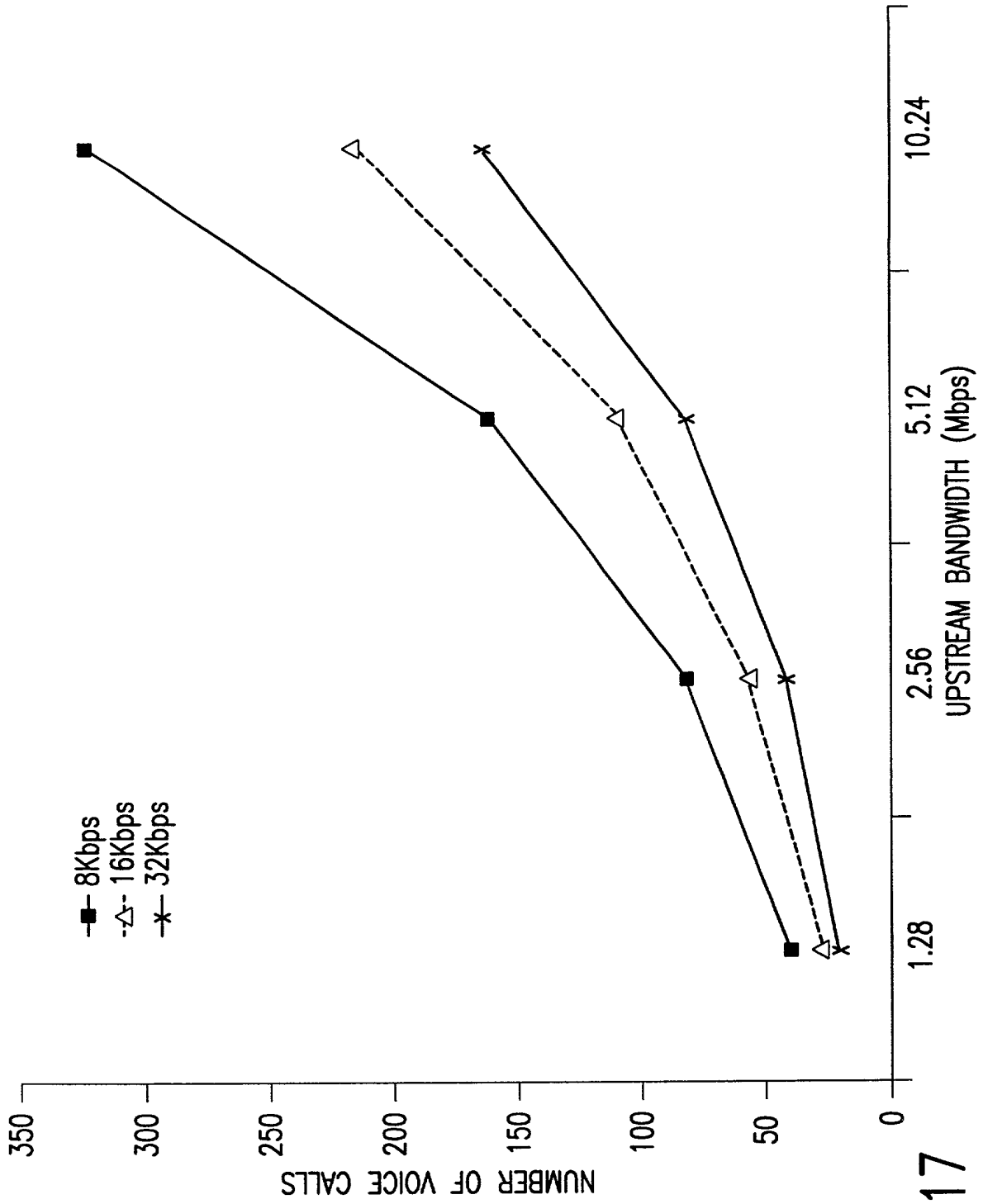


FIG.17

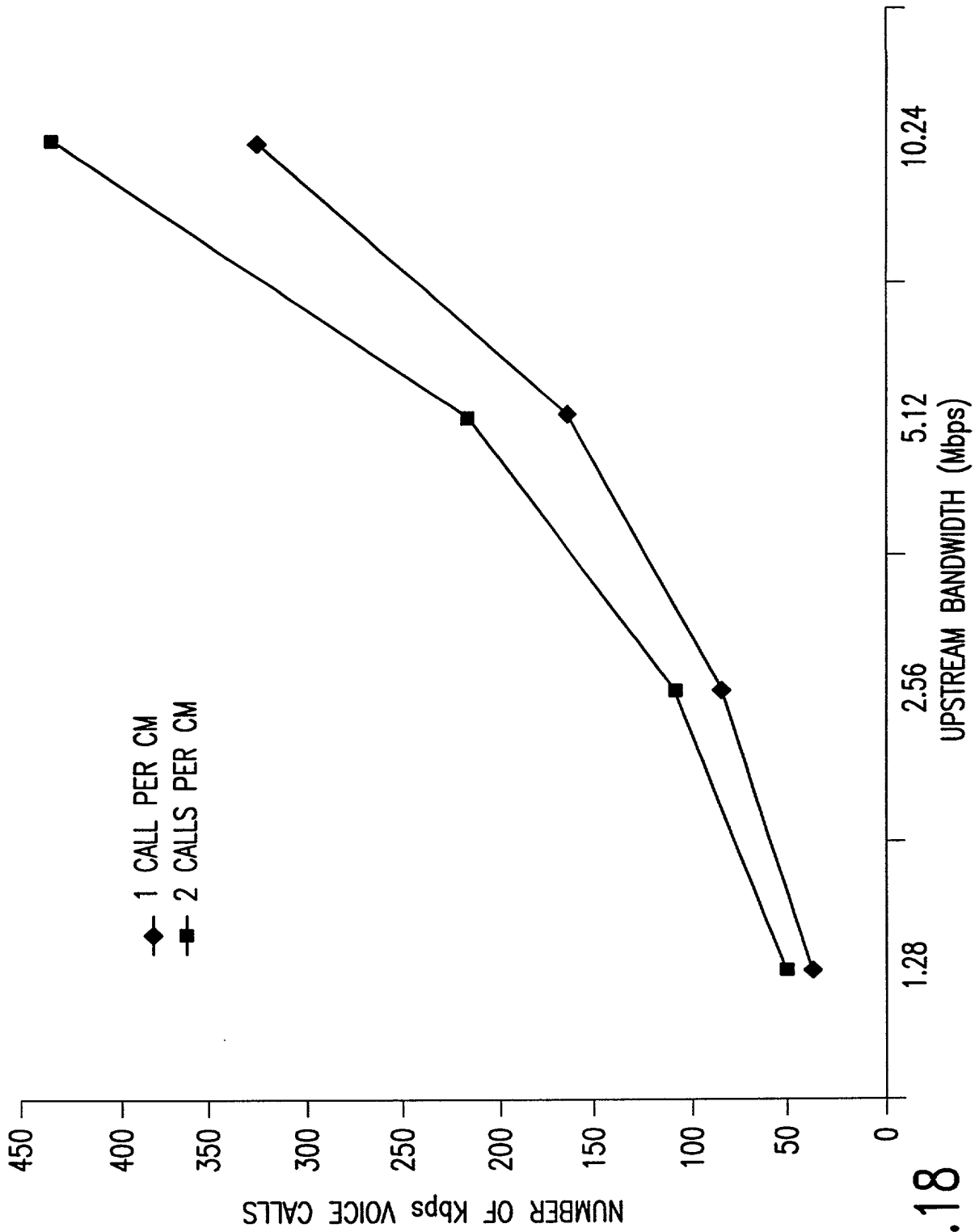


FIG.18

